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Abstract

- The invention relates to a method for applying phosphate coatings to metallic surfaces by wetting with an aqueous, acidic phosphating solution and subsequent drying of the phosphating solution, usually without subsequent rinsing, in which the phosphating solution contains
- 26 to 60 g/l of zinc ions,
 - 0.5 to 40 g/l of manganese ions, and
 - 10 - 50 to 300 g/l of phosphate ions, calculated as P_2O_5 .

- The invention further relates to a method for applying phosphate coatings to metallic surfaces by wetting with an aqueous, acidic phosphating solution and subsequent drying of the phosphating solution, usually without subsequent rinsing, which method is characterised in that the phosphating solution contains
- 10 to 60 g/l of zinc ions,
 - 0.5 to 40 g/l of manganese ions,
 - 20 - 50 to 300 g/l of phosphate ions, calculated as P_2O_5 , and
 - 0.5 to 120 g/l of peroxide ions, calculated as H_2O_2 , and/or 0.5 to 50 g/l of polymers, copolymers and/or cross polymers.

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